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NOTICE OF ALLOWANCE AND FEE(S) DUE

26161

7590

07/30/2009

FISH & RICHARDSON PC P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022

EXAMINER				
BAISA, JOSELITO SASIS				
ART UNIT	PAPER NUMBER			

2832

DATE MAILED: 07/30/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,820	06/27/2005	Lutz Kirsten	14219-068US1	8847

TITLE OF INVENTION: POSITIVE TEMPERATURE COEFFICIENT (PTC) COMPONENT AND METHOD FOR THE PRODUCTION THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/30/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifica	correspondence including below or directed other tions	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of n a) specifying a new corres	naintenance fees will pondence address; ar	be mailed to the current ad/or (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" for	
		ock 1 for any change of address)	Fee(s) Transmittal. This c rs. Each additional p	ertificate cannot be used t	or domestic mailings of the for any other accompanying ent or formal drawing, must	
FISH & RICH P.O. BOX 1022 MINNEAPOLIS		/2009		Cartifi	cate of Mailing or Trans	emission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.	
						(Depositor's name)	
			<u> </u>			(Signature)	
	_					(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	ITORNEY DOCKET NO.	CONFIRMATION NO.	
10/511,820	06/27/2005	TUDE COEFFICIENT (Lutz Kirsten	METHOD FOR TH	14219-068US1	8847	
ITILE OF INVENTION	: POSITIVE TEMPERA	TURE COEFFICIENT (I	PTC) COMPONENT AND	METHOD FOR THI	E PRODUCTION THERE	JOF	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE F	EE TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/30/2009	
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
BAISA, JOSE	ELITO SASIS	2832	338-204000				
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON 			(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attorlisted, no name will be	e of a single firm (having as a member a torney or agent) and the names of up to patent attorneys or agents. If no name is me will be printed.			
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee pletion of this form is NO	data will appear on the pa T a substitute for filing an (B) RESIDENCE: (CITY	ntent. If an assignee assignment. and STATE OR COU	JNTRY)	ocument has been filed for	
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	are submitted: To small entity discount p # of Copies	permitted)	 Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo 	1. Form PTO-2038 is authorized to charge	attached. the required fee(s), any de		
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Authorized Signature				Date			
Typed or printed name	e			Registration No.			
an application. Confident submitting the completed this form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but firginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection is est depending upon the indiverse Chief Information Office	imated to take 12 mir idual case. Any comr r. U.S. Patent and Tra	nutes to complete, including the next on the amount of tindemark Office, U.S. Dep	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,	

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10/511,820	06/27/2005	Lutz Kirsten	14219-068US1 8847	
26161 75	590 07/30/2009		EXAM	INER
FISH & RICHAI	RDSON PC	BAISA, JOSE	ELITO SASIS	
P.O. BOX 1022			ART UNIT	PAPER NUMBER
MINNEAPOLIS, MN 55440-1022			2832	
			DATE MAILED: 07/30/200	9

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 188 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 188 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
Notice of Allowability	10/511,820 Examiner	KIRSTEN, LUTZ Art Unit	
,			
	JOSELITO BAISA	2832	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commits GHTS. This application is	n this application. If not included unication will be mailed in due course	
1. This communication is responsive to 23 June 2009.			
2. ☑ The allowed claim(s) is/are <u>7, 9-18 and 20- 22</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	been received.		
2. Certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		
Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage application fro	om the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirem	ents
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revie	w (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			of
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			ie
Attachment(s)	E □ Nation of I	oformal Datant Application	
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		nformal Patent Application	
2. Motice of Draitperson's Patent Drawing Review (P10-946)	Paper No.	Summary (PTO-413), /Mail Date	
3. Information Disclosure Statements (PTO/SB/08),	7. 🔲 Examiner's	Amendment/Comment	
Paper No./Mail Date <u>05/18/07, 10/19/04 and 06/23/09</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allowance	•
of Biological Material	 9.		
/J. B./	5. <u></u>	<u>-</u> -	
Examiner, Art Unit 2832			
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Application No.

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

1. Claims 7, 9-18, 20, 21 and 22 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Claim 7 recites, inter alia, removing a binder from, and sintering, the base in an environment having oxygen content, wherein the oxygen content of the environment is lower than an oxygen content of air; wherein the oxygen content of the environment is less than 8 vol. %.

Claim 20 recites, inter alia, removing a binder from, and sintering, the base in an environment having oxygen content, wherein the oxygen content of the environment is lower than an oxygen content of air; wherein removing the binder is performed at a temperature of <600°C.

Claim 21 recites, inter alia, removing a binder from, and sintering, the base in an environment having oxygen content, wherein the oxygen content of the environment is lower than an oxygen content of air; wherein removing the binder is performed in the environment with the oxygen content between 0.5 and < 8 vol. %.

Claim 22 recites, inter alia, removing a binder from, and sintering, the base in an environment having oxygen content, wherein the oxygen content of the environment is lower than an oxygen content of air; wherein removing the binder is performed in the environment with the oxygen content between 0.1 and 5 vol. %.

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The reference of record does not teach or suggest the aforementioned limitation, nor would it be obvious to modify those references to include such limitation.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSELITO BAISA whose telephone number is (571)272-7132. The examiner can normally be reached on M-F 5:30 am to 2:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2832

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Elvin G Enad/ Supervisory Patent Examiner, Art Unit 2832 Joselito Baisa Examiner Art Unit 2832

/J. B./ Examiner, Art Unit 2832